



DEPARTMENT OF THE AIR FORCE

59TH MEDICAL WING (AETC)  
LACKLAND AIR FORCE BASE TEXAS

17 MAR 2016

MEMORANDUM FOR SGVT

ATTN: LT COL SHANA HANSEN

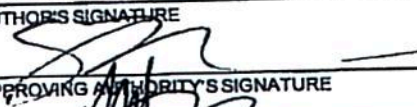

FROM: 59 MDW/SGVU

SUBJECT: Professional Presentation Approval

1. Your paper, entitled **Pediatric Home Sleep Studies: A Prospective Study** presented at **Pediatric Academic Societies Meeting, Baltimore, MD 30 Apr – 3 May 2016** with MDWI 41-108, and has been assigned local file #**16120**.
2. Pertinent biographic information (name of author(s), title, etc.) has been entered into our computer file. Please advise us (by phone or mail) that your presentation was given. At that time, we will need the date (month, day and year) along with the location of your presentation. It is important to update this information so that we can provide quality support for you, your department, and the Medical Center commander. This information is used to document the scholarly activities of our professional staff and students, which is an essential component of Wilford Hall Ambulatory Surgical Center (WHASC) internship and residency programs.
3. Please know that if you are a Graduate Health Sciences Education student and your department has told you they cannot fund your publication, the 59th Clinical Research Division may pay for your basic journal publishing charges (to include costs for tables and black and white photos). We cannot pay for reprints. If you are 59 MDW staff member, we can forward your request for funds to the designated wing POC.
4. Congratulations, and thank you for your efforts and time. Your contributions are vital to the medical mission. We look forward to assisting you in your future publication/presentation efforts.

*Linda Steel-Goodwin*

LINDA STEEL-GOODWIN, Col, USAF, BSC  
Director, Clinical Investigations & Research Support

PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS			
TO: Clinical Research	FROM: (Author's Name/Rank/Grade/Office Symbol) Shana Hansen/Lt Col/O-5/MCHE GME/GHSE Student: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	PROTOCOL NUMBER: IRBnet: 380563 BAMC control #: c.2013.061d	
PROTOCOL TITLE -- [NOTE: For each new release of medical research or technical information as a publication/presentation, a new 59 MDW Form 3039 must be submitted for review and approval.]			
Pediatric home sleep studies: a prospective study			
1. TITLE OF MATERIAL TO BE PUBLISHED OR PRESENTED: Pediatric home sleep studies: a prospective study			
2. FUNDING RECEIVED FOR THIS STUDY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO FUNDING SOURCE: DO YOU NEED FUNDING SUPPORT FOR PUBLICATION PURPOSES: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
3. IS THIS MATERIAL CLASSIFIED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
4. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION THROUGH A COLLABORATIVE RESEARCH AND DEVELOPMENT AGREEMENT (CRADA), MATERIAL TRANSFER AGREEMENT (MTA), INTELLECTUAL PROPERTY RIGHTS AGREEMENT, ETC.? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (NOTE: If the answer is 'YES' then attach a copy of the Agreement to the Publications/Presentations Request Form)			
5. MATERIAL IS FOR (Check appropriate box or boxes for approval with this request). (ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED) <input type="checkbox"/> DOMESTIC RELEASE <input type="checkbox"/> FOREIGN RELEASE			
<input type="checkbox"/>	PUBLICATION/JOURNAL (List intended publication/journal)		
<input type="checkbox"/>	PUBLISHED ABSTRACT (List intended journal)		
<input checked="" type="checkbox"/>	POSTER (To be demonstrated at meeting/Name of Meeting, City, State, and Date of Meeting) Pediatric Academic Societies Meeting, Baltimore, MD 30 Apr-3May		
<input type="checkbox"/>	PLATFORM PRESENTATION (At civilian institutions/Name of Meeting, State, and Date of Meeting)		
<input type="checkbox"/>	OTHER (Describe; Name of Meeting, City, State, and Date of Meeting)		
6. ALL PUBLICATIONS/PRESENTATIONS NEED TO BE PLACED INTO THE DEFENSE TECHNICAL INFORMATION CENTER (DTIC), EFFECTIVE 1 JAN 2016. WHAT IS YOUR EXPECTED DATE WHEN YOU WILL NEED THE CRD TO SUBMIT YOUR CLEARED PRESENTATION/PUBLICATION TO DTIC?			
POINT OF CONTACT			
7. WHO IS THE PRIMARY 59 MDW POINT OF CONTACT? (Last, First, M.I.) (Include email) Hansen, Shana; shana.hansen@us.af.mil; shanahansen@yahoo.com			DUTY PHONE/PAGER No. 210-292-7621/601-8261/594-6068
AUTHORSHIP AND CO-AUTHOR(S) (List in the order they will appear in the manuscript)			
LAST NAME, FIRST NAME AND MI.	GRADE/RANK	SQUADRON/GROUP/OFFICE SYM	INSTITUTION (if not 59)
a. Primary/corresponding author Hansen, Shana L	Lt Col	959 MDOS/MDOG/MCHE	
b. Scalzitti, Nicholas	Capt	SGO20	
c. Oconnor, Peter	Lt Col	MCHE-SDT	BAMC MEDCOM
d.			
e.			
g.			
I CERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APPROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR 219, AFMAN 40-401 JP AND 59 MDWI 41-108. I HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN ACCURATE MANUSCRIPT FOR PUBLICATION AND/OR PRESENTATION.			
AUTHOR'S PRINTED NAME/RANK/GRADE Shana L. Hansen/Lt Col/O-5	AUTHOR'S SIGNATURE 		DATE 3 Mar 2016
APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE William N. Hannah, Jr., M.D. Colonel, USAF, MC	APPROVING AUTHORITY'S SIGNATURE 		DATE 3/3/2016



# PROCESSING OF PROFESSIONAL MEDICAL RESEARCH PUBLICATIONS/PRESENTATIONS

## 1st INDORSEMENT (SGVU Use Only)

TO: Clinical Research Division  
(59 MDW/SGVU)  
(Contact 292-7141 for email instructions)

1. DATE RECEIVED  
*3/8/2016*

2. ASSIGNED PROCESSING REQUEST FILE NUMBER  
*16120*

3. DATE REVIEWED  
*8 MAR 2016*

4. DATE FORWARDED TO PA

### 5. AUTHOR CONTACTED FOR RECOMMENDED OR NECESSARY CHANGES

☒ NO ☐ YES If yes give date: ☐ N/A

### 6. COMMENTS

☒ APPROVED ☐ DISAPPROVED

*The article is approved.*

PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER  
*Rocky CALCOTE PhD*  
*CLINICAL RESEARCH ADMINISTRATOR*

DATE  
*8 MAR 2016*

SIGNATURE OF REVIEWER  
*Rocky Calcote*

## 2nd INDORSEMENT (PA Use Only)

TO: 59 MDW OFFICE OF PUBLIC AFFAIRS  
(PA)

1. DATE RECEIVED  
*15 March 2016*

2. DATE FORWARDED TO 59 MDW/SGVU  
*16 March 2016*

6. COMMENTS ☒ APPROVED (In compliance with security and policy review directives.) ☐ DISAPPROVED

PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER  
*Christopher Carwile, TSgt/E-6, NCOIC, PA*

DATE  
*16 March 2016*

SIGNATURE OF REVIEWER  
*CARWILE.CHRISTOPHE*  
*R.STEWART.1280477229*

Digitally signed by  
CARWILE.CHRISTOPHER STEWART.1280477229  
DN: cn=US, o=U.S. Government, ou=DoD, ou=PKI,  
ou=USAF,  
c=CARWILE.CHRISTOPHER STEWART.1280477229  
Date: 2016.03.16 12:22:32 -0500

## 3rd INDORSEMENT (SGVU Use Only)

TO: 59 MDW/SGVU

1. DATE RECEIVED

2. SENIOR AUTHOR NOTIFIED BY PHONE OF APPROVAL OR DISAPPROVAL: ☐ YES ☐ NO ☐ Could not be reached ☐ Left message

3. DATE WRITTEN NOTICE OF APPROVAL AND CLEARANCE MAILED TO AUTHOR:

4. COMMENTS ☐ APPROVED ☐ DISAPPROVED

PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER

SIGNATURE OF REVIEWER

DATE

**INTRODUCTION:** Obstructive sleep apnea (OSA) affects 1-5% of pediatric patients. Untreated pediatric OSA is associated with neurocognitive impairment, behavioral problems, and cardiopulmonary dysfunction. Clinical diagnosis lacks sensitivity and specificity. Laboratory polysomnography is expensive, not always available, and is inconvenient for patients. Therefore, 90% of children undergo adenotonsillectomy without confirmatory diagnostic testing. Ambulatory sleep monitoring for OSA may alleviate these issues.

**OBJECTIVES:** Our study investigates a commercially available ambulatory monitor for the diagnosis of pediatric OSA. Feasibility and validity of the device in the pediatric population was compared to laboratory polysomnography.

**METHODS:** A prospective, case-controlled study was conducted in children, ages 2-17. Subjects meeting inclusion criteria completed in-lab polysomnography simultaneously with ambulatory monitoring. Caregivers attempted home studies on two subsequent nights to compare the diagnostic capability between the home monitor and the in-lab study.

**RESULTS:** Forty-five patients were enrolled. Thirty-three subjects completed simultaneous laboratory polysomnogram with portable monitoring. Twenty patients completed the home studies, with 16 completing 2 nights of monitoring. Using a logistic model, no difference was found making in the diagnosis of OSA between polysomnography and the portable monitor. There were no statistically significant differences for apnea hypopnea index ( $p=0.493$ ) or lowest oxygen saturation ( $p=0.477$ ) between the two testing modalities.

**CONCLUSION:** This pilot study demonstrated that portable monitoring compares favorably to in-lab polysomnography for the diagnosis of pediatric sleep apnea. Larger prospective studies are needed prior to wider adoption, yet home studies have the potential to provide wider access with lower costs for the evaluation of pediatric sleep apnea.

"The opinions expressed on this document are solely those of the author(s) and do not represent an endorsement by or the views of the United States Air Force, the Department of Defense, or the United States Government."





**DEPARTMENT OF THE AIR FORCE**  
**AIR EDUCATION AND TRAINING COMMAND**

11 March 2016

**MEMORANDUM FOR 59 MCHE**  
**ATTN: LT Col Hansen**

**FROM: 502 ISG/JA (1Lt Heather Slawson)**

**SUBJECT: Ethics Review for Poster Approval Request**

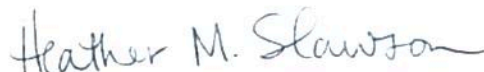
1. **BLUF:** A request for a legal review of a poster presentation titled "Pediatric Home Sleep Studies: A Prospective Study" was submitted by Lt Col Shana Hansen. Lt Col Hansen and her co-authors plan to present this research at the Pediatric Academic Societies Meeting in Baltimore, MD on 30 April – 3 May 2016. The abstract included the required disclaimer. The disclaimer must also be included on the poster that will be displayed for presentation. A Public Affairs review will be required if it has not already been obtained. There are no conflicts of interest issues with the poster presentation.

2. **FACTS:** An abstract titled "Pediatric Home Sleep Studies: A Prospective Study" was submitted for poster presentation. The authors plan to present this research at the Pediatric Academic Societies Meeting in Baltimore, MD on 30 April – 3 May 2016.

3. **LAWS AND REGULATIONS:** DoD 5500.07-R, Joint Ethics Regulation (JER), section 3-305 lays out rules governing "Teaching, Speaking and Writing." If the presentation will "deal in significant part with any ongoing or announced policy, program or operation" of the Air Force, the presenter is required to include a disclaimer that states the "views presented are those of the speaker or author and do not necessarily represent the views of DoD or its Components."

4. **ANALYSIS:** Although the presentation does not "deal in significant part with any ongoing or announced policy, program or operation" of the Air Force, the presenters' affiliation and/or ranks will be included in the abstract and on the poster presentation. Additionally, the research and information to be discussed in the presentation was obtained as part of their military medical practice. The authors included the required disclaimer. Although the disclaimer language included on the abstract is not verbatim from the JER, it is appropriate and clearly captures the intent of the language used in the JER. In addition to being on the abstract, the disclaimer must also be included on the poster. A Public Affairs review will be needed if it has not already been obtained. There are no apparent conflicts of interest that would prohibit presentation of this research at this conference.

5. CONCLUSION: The abstract presented for review included the disclaimer required by the JER. The disclaimer must also be included on the poster. If you have any questions, please call Lt Heather Slawson at 671-5728.

  
HEATHER M. SLAWSON, 1Lt, USAF  
Assistant Staff Judge Advocate

I concur.

  
MARK E. COON, Major, USAF  
Acting Chief, Civil Law